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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,024	12/01/2006	Tetsuo Saito	285710US3PCT	9471
22859 7599 11/17/2008 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER	
			COKER, ROBERT A	
ALEXANDRI	A, VA 22314	ART UNIT	PAPER NUMBER	
			3616	
			NOTIFICATION DATE	DELIVERY MODE
			11/17/2008	EL ECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

Office Action Summary

Application No.	Applicant(s)		
10/567,024	SAITO ET AL.		
Examiner	Art Unit		
ROBERT A. COKER	3616		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Statue		

Period fo	or Reply
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, CHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. The state of time may be available under the provisions of 37 CFR 1.136(b). In no event, however, may a reply be timely find SIX (5) MONTHS from the mailing date of this communication. The state of the communication of time of the communication of the communic
Status	
2a)□	Responsive to communication(s) filed on <u>01 December 2006</u> . This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.
Dispositi	ion of Claims
5)□ 6)⊠ 7)□	Claim(s) 1-Z is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement.
Applicati	ion Papers
10)	The specification is objected to by the Examiner. The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.
Priority (ınder 35 U.S.C. § 119
a)	Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). All b
Attachmen	t(s)
1) Notice	e of References Cited (PTO-892) 4) Interview Summary (PTO-413)

- Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Information Disclosure Statement(s) (FTO/SE/08)
 - Paper No(s)/Mail Date 12/14/2006.

5) Notice of Informal Patent Application 6) Other:

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hock
 (U. S. 6,213,501) in view of Tomiyama (US 6,170,869).

With respect to claims 1, 2 and 5-7, Hock discloses a gas generator comprising: a metal housing having an initiator shell (103) and a closure shell (105), a combustion chamber which is formed inside the housing and into which gas generants (107) generating a high-temperature gas through combustion are loaded, a filter member (104) disposed around the combustion chamber, an igniter loaded into the housing and igniting and burning the gas generants inside the combustion chamber, wherein either or both of the initiator shell and the closure shell constituting the housing have semi-spherical or semi-oval end plate portions and cylindrical portions having a diameter D formed continuously from these end plate portions, the igniter is mounted inside the housing and provided with an inner cylindrical body (101) having a plurality of enhancer openings (110) and also a bottom portion, enhancers (201) loaded into the inner cylindrical body and a squib (203) mounted so as to be in contact with the enhancers inside the inner cylindrical body, except for a plurality of gas discharge openings formed in the housing and discharging the gas generated in the combustion chamber and the

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ratio ranges H to D, d to D, h to H, SA to SE, SA to SD and WG to WE. However,
Tomiyama discloses a plurality of gas discharge ports (11). Therefore, it would have
been obvious to one having ordinary skill in the art at the time the invention was to
modify the invention of Hock, such that it comprised a plurality of gas discharge
openings in view of the teaching of Tomiyama so as inflate the an airbag. Therefore, It
would have been obvious to one having ordinary skill in the art at the time the invention
was made to have made the ratio ranges as claimed, since it has been held that where
the general conditions of a claim are disclosed in the prior art, discovering the optimum
or workable ranges involves only routine skill in the art. In r Aller, 105 USPQ 233.

Wit respect to claim 3, the combination discloses a gas generator, wherein a plurality of enhancer openings are available in any shape such as a circle, oval, long hole, rectangle, rhomboid or trapezoid.

With respect to claim 4, the combination discloses a gas generator, wherein the number of enhancer openings is 4 or more.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT A. COKER whose telephone number is (571)272-8514. The examiner can normally be reached on Monday thru Friday, 8.30 a.m.-5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Q. Nguyen can be reached on 571-272-6952. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John Q. Nguyen/ Supervisory Patent Examiner, Art Unit 3616 Robert A Coker Examiner Art Unit 3616

RAC